

Experience

Independent Research Lead

Minnetonka Research

Minnetonka, MN

Sep 2024–Jun 2025

- Led a yearlong project investigating a machine learning approach to handwritten text recognition of Gregg shorthand.
- [Article: doi.org/10.31274/ijeil](https://doi.org/10.31274/ijeil); [Software: doi.org/10.5196/ijh/504](https://doi.org/10.5196/ijh/504)

Research Intern

KTH Royal Institute of Technology

Stockholm, Sweden

Jun 2023–Jul 2023

- Led a project in Materials Engineering under the mentorship of Dr. Antonio Capezza.
- Presented a talk about my research at the Swedish National Museum of Science and Technology.

Education

University of Minnesota

Bachelors of Electrical Engineering

Minneapolis, Minnesota

2025–2026 (est.)

- Activities: ISUK, TDI, ASA

Minnetonka High School

AP International Diploma | Dual Enrollment w/ St. Cloud State University & Normandale Community College

Minnetonka, Minnesota

2021–2025

- GPA: 4.4 Weighted / 3.8 Unweighted | AP International Diploma
- Activities: Speech & Debate (Captain), Minnetonka Research, Cultural Fair, AFID

Volunteering

Camp Lecturer, Counselor

Minnetonka Community Education

Minnetonka, MN

Jun 2021 -

- Taught and judged spring/summer middle school speech & debate camps for several years. Counselor at kids science camp.

Honors/Awards

Mar 2025 Category 1st Place—Robotics & Intelligent Machines (ISEF 2nd Alternate), Twin Cities Regional Science Fair

Apr 2025 National Merit Scholar, National Merit Scholarship Program

Nov 2024 Degree of Special Distinction, National Speech & Debate Honor Society

Jul 2024 AP International Diploma, International Baccalaureate Board

Mar 2024 National German Exam Level 4 Gold award (91st percentile), AATG

Feb 2024 Minnesota Platinum Bilingual Seal (German & English), Minnesota Dept. of Education

Skills

Programming Javascript/Typescript, React, Python, Java, Matlab

Software Solidworks, Git, L^AT_EX, Linux, Shell (Bash, Zsh)

Soft Skills Collaborative software development, public speaking, academic/professional writing

Languages

Swedish Native proficiency

English Native proficiency

German Professional working proficiency